




3 1761 11971135 6

CA20N
DT 700
-68B36

GOVT



Digitized by the Internet Archive
in 2024 with funding from
University of Toronto

<https://archive.org/details/31761119711356>

CAZON
DT 700
-68B36

a bibliography

OF REPORTS AND PUBLICATIONS
FOR THE METROPOLITAN TORONTO AND
REGION TRANSPORTATION STUDY • 1968

Metro Toronto]

HON. W. DARCY McKEOUGH
Minister

W. H. PALMER
Deputy Minister

D. F. TAYLOR
Director, Community Planning Branch

TABLE OF CONTENTS

Introduction	1
Findings & Recommendations	3
Study Design	4
Regional Development	9
Regional Transportation	11
Travel Characteristics	11
Forecasting	13
Finance and Administration	16
Commuter Rail	
Conceptual Planning Phase	17
Implementation of GO Transit	21
Research Phase	22



INTRODUCTION

The Ontario Government on December 18, 1962 established and named an Executive Committee and a Technical Advisory and Coordinating Committee to study and report on an overall transportation policy for Metropolitan Toronto and surrounding municipalities. This charge was interpreted as follows:

- a study of existing and planned regional transportation facilities
- a study of the desirable development of the region
- a study of the financial and administrative structure of regional transportation
- a study of feasibility and performance of commuter rail services.

To undertake these studies, the Executive Committee created the Metropolitan Toronto and Region Transportation Study and hired a study director and a small staff. The primary duties of this staff was to recommend the design of each phase of the study, to coordinate the assistance of participating agencies and consultants, and to report the results to the Technical Advisory and Coordinating Committee.

As a result, many documents have been prepared by the staff and the participating agencies and consultants. These are listed in this report.

Some of the reports contain findings, opinions and recommendations that are not necessarily those of the Study. The Study's findings and recommendations are to be found in three documents

"Growth and Travel, Past and Present"
Volume I

"Choices for a Growing Region"
Volume II

"Transportation for the Regional City"
Volume III.

Introduction (cont'd)

Some of the documents listed herein are no longer available for distribution. However, each of the documents is expected to be readily accessible in the libraries of the Department of Municipal Affairs, Department of Highways and Department of Transport. Other libraries will probably have selected documents. For further information concerning these documents contact:

Community Planning Branch,
Department of Municipal Affairs,
801 Bay Street,
Toronto 5, Ontario

FINDINGS

AND

RECOMMENDATIONS

Volume I. GROWTH AND TRAVEL - PAST AND PRESENT

MTARTS., April 1966

94pp.

A growth history of the MTARTS region from its early beginnings to the year 1964. The report demonstrates how social and economic factors determine the patterns of demand for transportation services.

Volume II. CHOICES FOR A GROWING REGION

Department of Municipal Affairs,
Community Planning Branch,
November 1967

73pp.

An analysis of the trends and goals for growth and development in the MTARTS region. The report identifies five possible development concepts for the year 2000 a concept based on current trends, four concepts based on regional goals.

Volume III. TRANSPORTATION FOR THE REGIONAL CITY
Statement of Principles and Recommendations

Technical, Advisory and Coordinating
Committee, November 1967.

21pp.

Presented to the Executive Committee as the basis of the work to date under Order-in-Council 4092/62. The report represents the essential findings and recommendations that the Technical, Advisory and Coordinating Committee feels are significant to the subject of regional transportation policy in the MTARTS region.

STUDY DESIGN

1. PRELIMINARY BRIEFS

Presented to the Technical, Advisory and Coordinating Committee by participating agencies outlining the aspects of each agency operation that are relevant to the study of regional transportation.

1-1 BRIEF OF OPERATIONS OF TORONTO TRANSIT COMMISSION AND GRAY COACH LINES, LIMITED.

Toronto Transit Commission
February, 1963. 19pp.

A brief presented by J.G. Inglis, Manager of Operations, Toronto Transit Commission.

1-2 PRESENTATION TO MTARTS BY CANADIAN PACIFIC RAILWAY.

February, 1963. 13pp.

A brief presented by G.W. Miller, Assistant General Manager, Canadian Pacific Railway, outlining existing and proposed CPR operations in the MTARTS region.

1-3 PRESENTATION TO MTARTS BY CANADIAN NATIONAL RAILWAYS.

February, 1963. 2pp.

A brief presented by G. Wynne, Vice President, Canadian National Railways outlining proposed CNR operations in the MTARTS region.

1-4 METROPOLITAN TORONTO PLANNING BOARD STATEMENT TO MTARTS.

February, 1963. 10pp.

Summary of the aspects of the Board's work presented by E. Comay, Commissioner of Planning.

1-5 REPORT ON DEPARTMENT OF ROADS, MUNICIPALITY OF METROPOLITAN TORONTO.

March, 1963. 9pp.

Brief presented by G.O. Grant, Commissioner of Roads, describing the characteristics of the Metropolitan Toronto Road System as it existed in 1962.

1. (cont'd)

1-6 STATEMENT OF COMMUNITY PLANNING BRANCH FOR
MTARTS.

August, 1963.

25pp.

Brief presented by A.L.S. Nash, Assistant Deputy Minister, Department of Municipal Affairs outlining the characteristics of municipalities within the MTARTS region.

2. PROSPECTUS

MTARTS., October 1963.

23pp.

Presented to the Executive Committee as a recommendation for a transportation study of Metropolitan Toronto and surrounding region in accordance with Order-in-Council 4092/62 as passed by the Provincial Government in December 1962.

3. PRE INVENTORY SURVEY: AN ASSESSMENT OF BASE
MATERIAL. 1. Report 23pp.
 2. Appendix 105pp.

M.M. Dillion & Co, Limited, March 1964

An assessment of material available to serve as a basis for data collection by the Study. The appendix is a bibliography of reference background material available in the Study area.

4. REVIEW OF MTARTS STUDY CRITERIA

Traffic Research Corporation

May, 1964

39pp.

A series of memoranda to assist MTARTS in determining the criteria to be applied in the study of transportation in the region.

5. OPERATIONS PLAN

MTARTS., February 1965.

44pp.

A description of the major functional steps in the MTARTS' program. The plan includes a brief description of the criteria and procedure that is to be used in evaluating transportation in the MTARTS region.

6. STATEMENT OF STUDY AUTHORITY

MTARTS., July 1965.

4pp.

Statement reviews the scope of MTARTS assignment.

7. TRANSPORTATION FOR THE FUTURE

MTARTS., 1965

1pp.

Brochure outlining the problems, projects and policies of MTARTS, together with the membership of the Executive Committee and the Technical, Advisory and Coordinating Committee.

8. THE FUTURE OF URBAN TRANSPORTATION

1. E. Wynne, Canadian National
Railways.

12pp.

2. W.E.P. Duncan, Transit
Consultant, November, 1965

10pp.

Two papers representing the view of two members of the Technical, Advisory and Coordinating Committee.

1. A brief analysis of methods of transporting people, together with suggested guidelines for commuter rail operations.

2. A further analysis of methods of transporting people in urban areas.

9. TRANSCRIPT OF PUBLIC HEARINGS

MTARTS., December, 1965

282pp.

Transcript of public hearings held November 18 to December 9, 1965 and includes submissions by 22 agencies and individuals. The hearings and submissions dealt with the form and location (and the effect) of transportation facilities needed in the future as well as a discussion of the policies of different levels of Government needed to resolve transportation problems.

10. PROGRESS STATEMENT

MTARTS., May 1966.

12pp.

11. ADDRESSES

11-1 AN ADDRESS ON PUBLIC TRANSPORTATION

R.D. Cowley, Chairman, Technical,
Advisory and Coordinating Committee,
May, 1964.

Address to Metropolitan Toronto Board of
Trade setting out aspects of transportation
problems in the Metropolitan Toronto area.

11-2 A PUBLIC OFFICIALS ATTITUDE TO RAPID TRANSIT

R.D. Cowley, Chairman, Technical,
Advisory and Coordinating Committee,
May 1964.

Address delivered to the Institute of Rapid
Transit, outlining the background of the
MTARTS organization, its objectives and the
attitude of government to rapid transit.

11-3 METROPOLITAN TORONTO AND REGION TRANSPORTATION
STUDY -- A PROVINCIAL PROJECT.

P.E. Wade, Study Director, June 1964.

A discussion of the organization, objectives
and activities of MTARTS.

11-4 HIGHWAYS IN RELATION TO COMMUNITY PLANNING

P.E. Wade, Study Director, October 1964.

Paper presented to Community Planning Assoc-
iation of Canada, Nova Scotia Division, out-
lining the MTARTS organization. The problems
of providing Commuter transit and freeways
in cities are discussed.

11-5 PLANNED TRANSPORTATION

R.D. Cowley, Chairman, Technical, Advisory
and Coordinating Committee, May 1965.

Text of remarks to Toronto Chapter of the
Ontario Architects Association, illustrating
various facets of the MTARTS organization and
planning process.

11.

11-6 AN INTER AGENCY STUDY OF BASIC ISSUES IN
TRANSPORTATION

P.E. Wade, Study Director,
September 1966.

A paper delivered to the Highway Research Board, Statewide Transportation Studies, Washington, D.C. discussing the participation of government agencies in the MTARTS process as well as its formal organization.

11-7 THE CITY OF THE DAY AFTER TOMORROW

P.E. Wade, Study Director,
January 1967.

Discussion of the changing pattern of population and employment in a metropolitan area and the effects on transportation demands.

11-8 TWO PHASES OF METROPOLITAN TRANSPORTATION

P.E. Wade, Study Director,
August 1967.

The text of a paper delivered to the Symposium on Metropolitan Transportation, Buffalo, New York. It deals firstly with long-range regional growth and transportation systems in the light of this regional growth. Secondly, it deals with the Commuter Rail demonstration project in Ontario known as GO Transit.

12. NEWSLETTERS: No.1 - August 1965
No.2 - April 1966
No.3 - August 1966
No.4 - March 1967

At various times since the formation of MTARTS, the Study has published these newsletters to inform the public of its continuing program and the results of its research endeavours.

REGIONAL DEVELOPMENT

1. 1964 SOCIO-ECONOMIC CHARACTERISTICS

1-1 POPULATION, HOUSEHOLDS AND EMPLOYMENT

Community Planning Branch,
Department of Municipal Affairs
November, 1964.

58pp.

Contains population, dwelling unit and employment counts for the MTARTS region, excluding the Metropolitan Toronto Planning Area. Data are collected by municipality and by the 914 data collection zone system used for the May-June 1964 home interview survey. Employment counts are by five categories, namely, Manufacturing, Wholesale, Retail, Service and Other. Acreage for each zone and municipality also reported.

1-2 1964 SOCIO-ECONOMIC CHARACTERISTICS
FOR MTARTS REGION

MTARTS., September, 1965.

32pp.

Contains the information tabulated in 1-1 above for the entire MTARTS region (including the Metropolitan Toronto Planning Area).

2. STUDY OF REGIONAL ECONOMIC PROSPECTS

Larry Smith & Co, Limited,
February, 1965.

188pp.

The report contains an economic analysis of the MTARTS area and provides an overall regional assessment of future population and employment growth together with estimates of the amount of land required to accommodate this growth, for the years 1972, 1980 and 2000. The report was intended to provide the basic population employment and land use consumption statistics required by MTARTS for the study of future transportation in the region.

3. RECOMMENDATIONS RE: UTILIZATION OF
DATA FOR ZONAL STUDIES
DECEMBER, 1964. 6pp.

Larry Smith & Co, Ltd.,
4. COMMENTS ON REGIONAL ECONOMIC PROSPECTS

Various agencies of government
and interested parties. 26pp.
5. 1980 SOCIO-ECONOMIC CHARACTERISTICS

MTARTS., February, 1966. 45pp.

Contains population, dwelling unit
and employment counts for the MTARTS
region. Data are projected for 467
zones in the region.
6. SOCIO-ECONOMIC INPUT TO TRIP PREDICTION
MODEL

MTARTS., February, 1967. 74pp.

A draft report containing a documentation
of procedure used to obtain employment and
population projections for use in the
MTARTS trip prediction model.
7. EVALUATION OF DEVELOPMENT CONCEPTS

Regional Development Advisory
Group and Acres Research and
Planning Limited. April 1965. 46pp.

Evaluation of a number of development
concepts for the MTARTS region. The
structural features required for a more
satisfactory evaluation are outlined.

REGIONAL TRANSPORTATION

TRAVEL CHARACTERISTICS

1. HOME INTERVIEW ORIGIN AND DESTINATION
SURVEY - INSTRUCTION MANUAL

Traffic Research Corporation,
April, 1964.

38pp.

An instruction manual containing interviewing and coding instructions for the home interview survey conducted May-June 1964 on behalf of MTARTS and the Metropolitan Toronto Planning Board.

2. 1964 HOME INTERVIEW SURVEY - METHODS
AND RESULTS

Traffic Research Corporation,
March, 1965.

74pp.

Report on basic travel and population characteristics obtained from a sample of the homes in the MTARTS region. This report discusses the survey procedure and validity and outlines the basic travel relationships occurring in the MTARTS region in May-June 1964.

3. ANALYSIS AND RESULTS OF THE UPDATING
AND FACTORING OF SCREENLINE SURVEYS
AT THE MTARTS EXTERNAL CORDON.

Traffic Research Corporation,
June, 1965.

72pp.

A summary of the technique used to obtain a measure of the number of people living outside of the MTARTS region who pass through or who are destined for points in the region during the 7-9 A.M. period.

Travel Characteristics (cont'd)

4. CAR PARKING COSTS - TORONTO

- 4-1 Parking Design and Development Ltd.
June, 1965. 12pp.

An investigation of economic costs and practical charges for car parking in zones of various employment densities and the relation of such costs to work or non-work trips in these zones.

- 4-2 Review by Department of Economics
and Development, August, 1965. 12pp.

5. REPORT ON MISCELLANEOUS DATA ASSEMBLY
AND ADOPTION OF GRID COORDINATES

Traffic Research Corporation,
September, 1965. 35pp.

A description of the techniques used in collecting data for the Study. The report also examines the possibility of using a grid coordinate system for coding the data.

6. VEHICLE AND TRANSIT SPEED AND VOLUME
FLOWS MAY-JUNE PERIOD, 1965.

Kates, Peat, Marwick & Co, 1967. 30pp.

Report on the technique used to obtain average vehicle and transit speed data for the MTARTS region.

7. PROCESSING OF HOME INTERVIEW SURVEY
DATA ON UNIVAC 1107 COMPUTER.

Kates, Peat, Marwick & Co,
March, 1967. 124pp.

Instruction manual for transferring the home interview survey data to the Univac 1107 computer for analysis.

FORECASTING

8. ANALYST'S MANUAL OF TRAFFIC PREDICTION MODEL

Traffic Research Corporation, 1965 321pp.

An instruction manual of the design, development and use of the Traffic Prediction Model used by MTARTS.
9. INTERPRETATION OF TECHNIQUE EMPLOYED IN DEVELOPING A TRAFFIC PREDICTION MODEL.

MTARTS., November, 1965. 8pp.
10. MODAL SPLIT ANALYSIS FOR TRAFFIC PREDICTION MODEL

Traffic Research Corporation, December, 1965. 61pp.

A description of the technique used in the Traffic Prediction Model to calculate the proportion of persons who travel between any origin and destination in the region by automobile and public transit respectively. The technique also allows for a further proportioning of public transit trips into the bus, subway and rail modes.
11. GENERAL DESCRIPTION OF LOGIC OF TRAFFIC PREDICTION MODEL.

Traffic Research Corporation, January, 1967. 68pp.

Forecasting (cont'd)

- | | | |
|------|--|----------------|
| 12. | 1964 TRIP DEMAND ON COMMUTER RAIL FACILITIES | |
| 12-1 | Preliminary Report, MTARTS
April, 1967. | 16pp. |
| 12-2 | 1. Report
2. Technical Appendix | 44pp.
14pp. |
| | MTARTS and Kates, Peat, Marwick
and Co, July, 1967. | |
| | <p>A report designed to estimate patronage on the Commuter Rail Demonstration Project and usage of similar commuter facilities in the MTARTS region if such services were to be provided. In addition the report evaluates the impact which Commuter Rail could have on travel behaviour in the area. The Traffic Prediction Model was used to estimate the commuter rail patronage.</p> | |
| 13. | SUMMARY OF COMPARATIVE ANALYSIS OF 1964 AND 1980 TRAVEL PATTERNS. | |
| | Kates, Peat, Marwick & Co,
March, 1967. | 225pp. |
| 14. | COMPARISON OF 1964 OBSERVED AND SIMULATED TRIP INTERCHANGES ON A SPIDER NETWORK. | |
| | Kates, Peat, Marwick & Co,
May, 1967. | 13pp. |
| | Comparative analysis of observed and simulated travel patterns in the region. | |
| 15. | SUMMARY OF A COMPARISON OF 1980 MTPB RECOMMENDED PLAN AND 1980 MTARTS DEMAND PROJECT. | |
| | Kates, Peat, Marwick & Co,
July, 1967. | 18pp. |
| | <p>Comparative analysis of 1980 travel patterns as determined by the Metropolitan Toronto Planning Board using data obtained in 1956 and by MTARTS using data obtained in 1964.</p> | |

16. CALIBRATION OF A REGIONAL TRAFFIC PREDICTION
MODEL FOR THE 7-9 A.M. PEAK PERIOD.

MTARTS and Kates, Peat, Marwick & Co,
September, 1967. 65pp.

Description of the development of mathematical relationships to represent the travel characteristics within the MTARTS region. The report contains a review of the precision with which these relationships describe the observed travel patterns for the 7-9 A.M. peak period as measured in the 1964 Home Interview Survey.

17. FORECAST OF THE 1980 TRAVEL DEMAND IN METRO-
POLITAN TORONTO AND SURROUNDING REGION FOR
THE 7-9 A.M. PERIOD.

MTARTS and Kates, Peat, Marwick & Co,
October, 1967. 95pp.

Methodologies and results as they pertain to the application of the Traffic Prediction Model in the estimation of the 1980 travel patterns within Metropolitan Toronto and surrounding region. This report contains a comparison of the significant changes in travel between 1964 and 1980 as well as a documentation of all input data.

FINANCE AND ADMINISTRATION

1. INVESTMENT OF PUBLIC FUNDS
MTARTS., August, 1964. 12pp.
A broad and general outline of this subject.
2. WHY REGIONAL TRANSPORTATION PLANNING
-- THE FINANCIAL BASIS.
P.E. Wade, Study Director,
April, 1965. 5pp.
An address to Ontario Traffic Conference
Kitchener, Ontario; evaluating the proper
roles to be played by the different revenue
sources in financing transportation.
3. ADMINISTRATIVE AND FINANCIAL STRUCTURE
OF TRANSPORTATION IN THE STUDY AREA.
MTARTS and Frederic H. Finnis, M.B.E.
March, 1966. 76pp.
This report records the existing structure
for managing and financing the transportation
systems in the Study Area and provides ref-
erence information for investigation by MTARTS
of transportation programs and policies.
4. MTARTS POSITION PAPERS
MTARTS., July, 1966. 39pp.
A number of staff viewpoints on the re-organi-
zation of the transportation administrative
structure in the region.
5. SELECTION OF READINGS ON METROPOLITAN
TRANSPORTATION ADMINISTRATION.
MTARTS., July, 1967. 43pp.
Background material for study of transportation
administration in MTARTS region.

COMMUTER RAIL

CONCEPTUAL PLANNING PHASE

1. STUDY OF EXISTING RAILWAY LINES

De Leuw, Cather Co, Ltd. October, 1963.

- | | |
|----------------|--------|
| 1. Report | 98pp. |
| 2. Appendix I | 125pp. |
| 3. Appendix II | 138pp. |

An inventory of fifteen rail lines in the Toronto region, and an analysis to determine which ones could carry commuter rail or rapid transit services by use of existing facilities or by constructing additional facilities on the present rights-of-way.

2. LAKESHORE RAIL MARKET

Lyon de Brouwer,
October, 1964 80pp.

An attitude and motivation study of automobile commuters living in the lakeshore suburban corridors, leading to a ranking of the importance of factors which would induce them to use rail service, and concluding with a gross estimate of rail patronage.

3. EVALUATION OF ACCURACY OF MARKET SURVEY

Prof. D.J. Clough,
September, 1964. 10pp.

A statistical appraisal of the results of the May 1964 survey of automobile commuters, leading to establishment of confidence limits for the estimate of the number of persons who might use a rail service.

4. ALTERNATIVE EQUIPMENT POSSIBILITIES

Everett H. Weston,
August, 1964. 19pp.

Consulting specialist describes characteristics, performance and availability of different kinds of power units and consists. No recommendation to MTARTS at this time.

Conceptual Planning Phase (cont'd)

5. LAKESHORE COMMUTER RAIL FEASIBILITY STUDY

De Leuw, Cather Co, Ltd.,
January, 1965.

- | | |
|--------------------------|--------|
| 1. Report | 106pp. |
| 2. Technical Appendix I | 33pp. |
| 3. Technical Appendix II | 18pp. |

Describes a trial commuter rail service which would run from Burlington to Dunbarton, and produce rail data for regional planning. Estimates of train performance, riding levels, and fixed and variable costs, are given.

6. COMMUTER RAIL TRIAL

R.D. Cowley, Chairman, Technical,
Advisory and Coordinating Committee
December 15, 1964. 25pp.

Report to the Study Executive Committee, describing the form and function of feasible rail service, equipment options, and recommendations.

7. COMMUTER RAIL TRIAL

R.D. Cowley, Chairman, Technical,
Advisory and Coordinating Committee.
March 22, 1965 14pp.

Further report and recommendation to Study Executive Committee, following refinement of proposal in favour of new equipment.

8. RAIL MARKET IN NORTH-EAST SECTOR

MTARTS., May, 1965. 11pp.

Describes present services to Agincourt, and speculates on the effect of massive proposed residential growth on the demand for service on Uxbridge (CN) or Peterborough (CP) subdivisions.

Conceptual Planning Phase (cont'd)

9. LAKESHORE RAIL OPERATING CONDITIONS

MTARTS., June, 1965.

5pp.

The physical environment of the commuter rail experiment; grades, curvature, distances, speed restrictions, climate range; and the performance requirements: schedules, headways, consists, utilization, traffic mix.

10. LONG-RANGE ESTIMATES OF RAIL PATRONAGE

MTARTS., November, 1966.

6pp.

Multiple projections to 1972, 1980 and 2000 on several alternative assumptions about extension or upgrading of GO Transit service, prepared for Toronto Transportation Centre Committee.

11. A NEW LOOK FOR COMMUTERS IN CANADA

R.D. Cowley, Chairman, Technical, Advisory and Coordinating Committee, September, 1966.

36pp.

An outline of the design and decision process leading to the inauguration of GO Transit. Market and service analyses, one of the main reasons for the project, are also described. (A paper presented at the 46th annual convention of the Candian Good Roads Association, Halifax, N.S., September 6-9, 1966).

12. 1964 TRIP DEMAND ON COMMUTER RAIL FACILITIES

MTARTS and Kates, Peat, Marwick & Co, July, 1967.

1. Report

44pp.

2. Technical Appendix

14pp.

Results of a peak period modal assignment of 1964 observed trips to an assumed network of rail lines, including the lakeshore line, in competition with other facilities, representing a 1967 network, but including Bloor Subway extensions.

Conceptual Planning Phase (cont'd)

13. TRAFFIC PROSPECTS OF OTHER LINES

MTARTS., November, 1967.

8pp.

Speculative rankings of five lines successively by initial cost, prospects for growth, and role in inducing a favourable structure of supporting activities (subcentres).

IMPLEMENTATION OF GO TRANSIT

14. COACH DESIGN CRITERIA

MTARTS., May, 1965.

6pp.

General discussion and ranking of desired attributes from viewpoint of user convenience and appeal.

15. EQUIPMENT SPECIFICATIONS

MTARTS and CNR
June, 1965

100pp.

Performance specifications for inviting bids for:

- A) Ontario Government Suburban Commuter Locomotive.
- B) Ontario Government Suburban Commuter Car.

16. FEEDER BUS

W.E.P. Duncan

- 1. August, 1966
- 2. October, 1966

38pp.

15pp.

Report by independent consultant on existing services, franchises, firms, costs and a proposal for feeder bus routing in several lakeshore localities.

RESEARCH PHASE (MARKET AND SERVICE ANALYSIS)

i) Methodology

17. ESTABLISHING THE RESEARCH PROGRAM

De Leuw, Cather Co, Ltd.,

- | | |
|-------------------|-------|
| 1. October, 1965 | 18pp. |
| 2. November, 1965 | 9pp. |

An outline of a research process for developing (1) a program of rail service changes for experimental purposes, and (2) specifications for surveys and analysis of GO Transit. This submission became the basis of Contract #6 with this firm.

18. U.S. RAIL DEMONSTRATION PROJECTS

MTARTS and De Leuw, Cather Co, Ltd.
August, 1965. 8pp.

A listing of information obtained from persons concerned with commuter rail demonstration projects, in the course of visits to Washington, Philadelphia, New York and Boston, to ascertain research methods and the availability of special consultants.

19. SERVICE PLANNING

De Leuw, Cather Co, Ltd.
April, 1966. 81pp.

A re-appraisal of the service design and patronage estimates in light of new developments and altered restraints, and a proposed timetable of service changes for research purposes. Review covers station locations, train scheduling, fare structure, parking policy and feeder bus.

i) Methodology (cont'd)

20. DESIGN TO MEASURE SERVICE IMPACT

1. De Leuw, Cather & Co, Ltd.
April, 1966. 28pp.
2. Dr. Donald Streever
February 14, 1966 and
July, 1966. 43pp.
3. MTARTS - part memo
October, 1966. 16pp.

This set, specifying the nature and frequency of surveys and analysis to be conducted during the 2 year experimental period, was reissued in December 1967 as No. 5 in the Market and Service Analysis special report series.

21. DESIGN FOR MEASURING IMPACT OF GO TRANSIT ON LAND USE.

MTARTS., November, 1966. 26pp.

The report suggests a procedure for obtaining and analyzing changes in real estate values and land use in the rail corridor, using mainly assessment data and property transaction data from municipal sources.

22. COMMUTER RAIL RIDING TRENDS, 1965-67

De Leuw, Cather Co, Ltd.,
June, 1967. 3pp.

A series of weekly manual counts of passengers on CN trains serving the western lakeshore corridor is analyzed for the period September 1965 until inauguration of GO Transit. Dimensions are given to seasonal variation and to the growth component.

23. DESIGN FOR BENCHMARK TRAFFIC SURVEY

De Leuw, Cather Co, Ltd.,
April, 1967. 34pp.

A detailed specification for obtaining representative counts of vehicles and persons at selected locations on various facilities in the period immediately prior to inauguration of GO Transit.

i) Methodology (cont'd)

24. DESIGN FOR BENCHMARK HOUSEHOLD SURVEY

Recon Research Consultants Ltd.,
April, 1967.

42pp.

A submission to the Study, describing objectives, basis of sample and questionnaire design, proposed interview and analytical procedures, cost estimate, for a survey of 15,000 representative households in the GO Transit service corridors.

25. STATISTICAL APPRAISAL OF SURVEY DESIGN
(BENCHMARK).

I.P. Fellegi, April, 1967.

7pp.

A critique from an independent expert of the proposed sample design, sample selection, questionnaire content and proposed analysis.

26. FURTHER ANALYSIS OF SURVEY RESULTS

R.G. Rice, January, 1968.

43pp.

Recommendations and specifications for the production and analysis of supplementary tabulations from the benchmark household survey, covering special fields of emerging interest.

27. DESIGN FOR SECOND HOUSEHOLD SURVEY

Recon Research Consultants Ltd.,
October, 1967.

26pp.

A submission describing how and why the second survey would differ from the first (benchmark). The design submitted was subsequently modified for execution.

ii) Market and Service Analysis Results

28. GO TRANSIT, ILLUSTRATED

MTARTS and J.A. Brown,
March, 1968.

50pp.

The history of the commuter rail project from conception to inauguration, covering stations, equipment, scheduling, track layouts, fare structure, ticketing and train operations. This report is intended to provide necessary background to the technical reports of results of MASA surveys.

29. REGULAR REPORTS ABOUT TRENDS IN GO
TRANSIT RIDING PATTERNS

MTARTS.,

A - series:	Weekly	(To date:35)	2pp.
B - series:	Monthly		
	Version A	(To date: 8)	10pp.
	Version B	(To date: 8)	10pp.
C - series:	Quarterly		
	beginning December 31,1967		30pp.

30. SPECIAL REPORTS FOLLOWING EVENTS
AND SURVEYS, IN A CHRONOLOGICALLY
NUMBERED SERIES:

30-1 ON-TRAIN SURVEY,MAY 17,1967
(SPECIAL REPORT #2)

MTARTS and Recon Research
Consultants, February,1968.

75pp.

Description of the characteristics, travel habits and opinions of 1109 persons using the CNR commuter service in the western lakeshore corridor, immediately prior to the introduction of GO Transit, and comparisons with a 1961 survey.

ii) Market and Service Analysis Results (cont'd)

30-2 ON-TRAIN SURVEY, JULY, 1967
(SPECIAL REPORT #3)

MTARTS and Recon Research
Consultants Ltd., February, 1968. 100pp.

Attitude and behaviour of 3,219
peak period rail riders in the
7th week of GO Transit service.

30-3 ON-TRAIN SURVEY, NOVEMBER 1, 1967
(SPECIAL REPORT #4 PART A)

MTARTS and Canadian Facts Ltd.,
March, 1968. 100pp.

Attitudes and behaviour of 5,054
peak period rail riders outbound
from Union Station in the 24th
week of GO Transit service (9th
week of full service).

30-4 ON-TRAIN SURVEY, NOVEMBER 1, 1967
(SPECIAL REPORT #4 PART B)

MTARTS and Opinion Research
Corp. March, 1968. 100pp.

Attitudes and behaviour of 2,042
off-peak riders, and of certain
classes of peak riders, (non-Cen-
tral Toronto oriented) in the 24th
week of GO Transit service.

30-5 DESIGN TO MEASURE THE IMPACT OF
THE GO TRANSIT COMMUTER RAIL SERVICE
(SPECIAL REPORT #5)

MTARTS and De Leuw, Cather Co, Ltd.,
December, 1967. 73pp.

Objectives, methods and timing of the
various surveys, analyses and studies
forming a two-year program, leading to
fact-supported conclusions about the
role and potential of commuter rail
services in this and possibly other
regions.

ii) Market and Service Analysis Results (cont'd)

30-6 VEHICLE AND PERSON COUNTS ON OTHER
MODES BEFORE GO TRANSIT OPERATION
(SPECIAL REPORT #6)

MTARTS and Kates, Peat, Marwick.
March, 1968.

60pp.

Describes how the main east-west movement of vehicles and persons in the two lakeshore corridors was distributed among the facilities and services available before the introduction of GO Transit.

30-7 BENCHMARK HOUSEHOLD SURVEY, MAY, 1967
(SPECIAL REPORT #7)

MTARTS and Recon Research
Consultants Ltd., March, 1968.

100pp.

Describes the design, execution and findings of a survey of 15,000 representative households. Defines the basic structure of the rail-susceptible travel market, the level of awareness of GO Transit, and probability of use.

30-8 PICKERING FEEDER BUS EXPERIMENT
(SPECIAL REPORT #8)

MTARTS., March, 1968.

20pp.

Response to a trial bus service coordinated with GO Transit peak trains, and conclusions about the desirable form of bus services as feed to rail.

30-9 SECOND HOUSEHOLD SURVEY
(SPECIAL REPORT #9)

MTARTS and Recon Research
Consultants Ltd., April, 1968.

100pp.

Identifies the rail share of each segment of the corridor travel market, and the reasons for non-use of various identifiable groups, leading to marketing suggestions for increasing the rail share.

ii) Market and Service Analysis Results (cont'd)

31. CODING MANUAL AND CARD LAYOUTS
(BENCHMARK HOUSEHOLD SURVEY)

MTARTS and Recon Research
Consultants Ltd, March 1968. 31pp.

A coding manual to record coding instructions, and to serve as a record of data available from the MASA Benchmark Household Survey of April-May 1967. Includes format of the punched cards.

32. CODING MANUAL AND CARD LAYOUTS
(FALL 1967 HOUSEHOLD SURVEY)

MTARTS and Recon Research
Consultants Ltd, May 1968. 30pp.

A coding manual to record coding instructions, and to serve as a record of data available from the MASA Fall 1967 Household Survey of November-December 1967. Includes format of the punched cards.

33. MEASURING THE IMPACT OF GO TRANSIT

A.R. Schmidt, Technical Director,
MTARTS, May 1, 1968 20pp.

Description of the scope and timing of the monitoring and research program, the survey tools being used and some of the response patterns to GO Transit that are already evident.

(A paper, illustrated with slides, presented at the 4th Annual Meeting of the Canadian Transportation Research Forum, Vancouver B.C., May 1-3, 1968).

